We Claim:

- 1. A sealing apparatus, comprising:
- a first part having a first surface configured to cooperate with a second surface of a second part;
 - a groove formed in the first surface;
- a first o-ring, configured to seal a first fluid in a first region from a second fluid in a second region, while contained in the groove; and
- a second o-ring in continuous contact with the first o-ring while contained in the groove.
- 2. An apparatus according to Claim 1, wherein the first surface is substantially flat except for the groove.
- 3. An apparatus according to Claim 1, wherein the o-rings are substantially circular in the azimuthal direction.
- 4. An apparatus according to Claim 1, wherein the o-rings comprise substantially circular cross-sections.
- 5. An apparatus according to Claim 1, wherein the o-rings are made from a material selected from the group consisting of fluorosilicone, nitrile, fluorocarbon, silicone, neoprene, and ethylene propylene.
- 6. An apparatus according to Claim 2, wherein the groove comprises a substantially dovetail shaped cross section.

- 7. An apparatus according to Claim 6, wherein, when the o-rings are secured by the groove, portions of the o-rings protrude above the first surface.
- 8. An apparatus according to Claim 1, further comprising a leak check port having a gas injection point.
- 9. An apparatus according to Claim 8, further comprising a gas supplying member connected to the gas injection point via the leak check port.
- 10. An apparatus according to Claim 8, wherein the gas injection point is interposed between the seals created by the first and second o-rings.
- 11. An apparatus according to Claim 8, wherein the gas injection point comprises a hole located in the base of the groove.
- 12. An apparatus according to Claim 8, wherein the gas injection point comprises a hole located in the mating surface of the second part.
 - 13. A sealing apparatus, comprising:
- a first part having a first surface configured to cooperate with a second surface of a second part;
 - a groove formed in the first surface;
- an o-ring, configured to seal a first area between the first and second surfaces from a second area exterior to the first area, while contained in the groove; and

a grounding gasket, configured to electrically couple the first and second surfaces, while contained in the groove adjacent the o-ring.

- 14. An apparatus according to Claim 13, wherein the first part comprises conductive material.
- 15. An apparatus according to Claim 13, wherein the first surface is substantially flat except for the groove.
- 16. An apparatus according to Claim 13, wherein the o-ring is substantially circular in the azimuthal direction.
- 17. An apparatus according to Claim 13, wherein the o-ring comprises a substantially circular cross-section.
- 18. An apparatus according to Claim 13, wherein the o-ring is made from a material selected from the group consisting of fluorosilicone, nitrile, fluorocarbon, silicone, neoprene, and ethylene propylene.
- 19. An apparatus according to Claim 13, wherein the grounding gasket comprises a substantially circular cross section.
- 20. An apparatus according to Claim 13, wherein the grounding gasket comprises Spira Shield Quick Shield..

- 21. An apparatus according to Claim 13, wherein the groove comprises a substantially dovetail shaped cross section.
- 22. An apparatus according to Claim 13, wherein, when the o-ring and the grounding gasket are secured within the groove, portions of the o-ring and the grounding gasket protrude above the first surface.